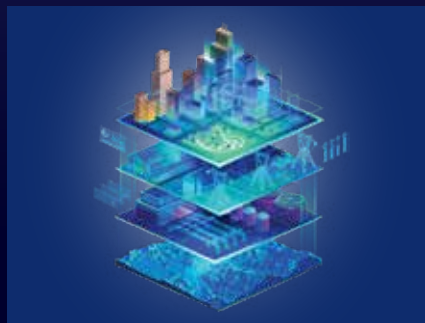




Pipeline Open Data Standard



**THE Industry Platform and Community
for Efficient Pipeline Data
Management**

PODS COMMUNITY & RESOURCES

The Pipeline Open Data Standard (PODS) Association www.pods.org is a non-profit member-driven organization providing the exclusive data model standard. Over the past 25+ years, the PODS standard has been adopted by **pipeline operators, service providers, vendors, and regulatory agencies** for managing pipeline spatial data worldwide. The PODS Association and its model is the only Pipeline Open Data Standard and community of its kind in the world.

PODS members are thought leaders and innovators who share knowledge and expertise to build and maintain the only geospatial data model specifically designed by the pipeline industry for pipeline operators.



PODS Impact: Providing a Pipeline Community Focused on the Entire Lifecycle of Pipeline Safety Data

- Pipeline Safety via the Digital Twin
- Single-System-of-Record for Pipeline Asset Locations and Specifications
- Regulatory and Integrity Management
- Inspection and Repair Analysis

200+ Pipeline Operators in 38+ Countries



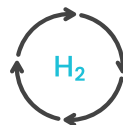
Natural Gas



Hazardous Liquids



Water



Hydrogen



Carbon Sequestration

3 Million+ Miles of Linear Pipeline Assets & Systems

Adding Value to Members Through Education & Collaboration

- Learning Management System and Education Library
 - Continuing Education Credits
 - PODScasts
- Networking Opportunities and Events Worldwide
- Searchable Detailed Member Directory
 - Services Listing and Operator Contact Information
- Scholarship Program
- Curated Free Live Data Layers
- Federal & State Specific Regulatory Updates
- Technical Solutions for Optimized Operations with two core PODS models (APR + Utility Network) with modules which can be added to PODS or UPDM for:
 - Offshore (BP Golden Build)
 - Inline Inspection (ILI)
 - Integrity / Regulatory
 - Traceable, Verifiable and Complete (TVC)
 - Cathodic Protection (CP)
 - and many more being worked on now!



PODS is proud to recognize the Pipeline and Hazardous Materials Safety Administration (PHMSA) for using the PODS Data Model for its baseline organizing data in the National Pipeline Mapping System (NPMS).



U.S. Department of Transportation
**Pipeline and Hazardous Materials
Safety Administration**



PODS DATA STRUCTURE

The Pipeline Open Data Standard (PODS) Data Model provides the database architecture pipeline operators need to submit regulatory reports, store critical information, analyze pipeline systems data, and manage geospatial data in a linear-referenced database which can be visualized in any GIS platform.

The PODS Data Model brings optimized performance to members for business functionality, decision making and risk management by supporting the entire asset lifecycle in new and established programs.

The PODS Pipeline Data Model houses what pipeline companies have deemed mission-critical to successfully managing natural gas, hazardous liquids, renewables and water pipelines.



Construction (As-Built)



Inspection



Integrity Management



Regulatory Compliance



Risk Analysis



Maintenance & Operations Data

Referencing and integrating all data (including all Inline Inspection data) within a spatial context helps provide pipeline operators with a definitive view or digital twin of their pipeline and systems for optimized asset knowledge management.

Benefits of the PODS Model:

- Open Esri Compatible Platform
- Database Architecture for a Linear-Referenced Database
- Standardizes and Modernizes Data Management and Reporting
- A Business, Risk, Compliance and Decision-Making Tool
- Pipe-centric Approach to Managing Pipeline Data in a Single Data Repository

PODS modules
are compatible
with **UPDM**



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*Pipeline Operators must
have transparency
through a digital model
of pipeline assets.*

7

IMPROVEMENTS OF PODS 7

1

PODS 7 contains the building blocks to work with Esri's ArcGIS Pipeline Referencing Platform (APR).

2

PODS 7 has simplified the pipeline core hierarchy with direct relationships to the Line Network for improved route management.

3

PODS 7 improves upon pipeline data management allowing for storing multiple location methods such as engineering stationing and survey GPS.

4

PODS 7 includes features that can directly make use of Esri's ArcPro audit and history capabilities.

5

PODS 7 combines the strengths of previous PODS versions into a solid and practical data model.

6

PODS 7 has enhanced the spatial characteristics from PODS Spatial, allowing operators to see former relational event tables as spatial feature classes.

7

PODS 7 has the ability to build and add on modules for pipeline safety via the digital twin, prescribed business processes, functional, regulatory compliance and specific operational needs.

Pipeline Operators share the Power of PODS. Members have unlimited use/users while gaining the full benefit of:

- Access to the PODS Data Model, including advanced releases
- Defined governance and mapping/modeling
 - Gone is the worry of missing data for regulatory, compliance, reporting, and risk
- Expanding resource centers for hundreds of live data layers, state and federal regulatory updates, and upcoming Learning Management System (LMS)
- Being part of a community that is the leading network for questions and shared knowledge within pipeline safety, GIS and data management
- Invitations to in person and online events for all members to grow their knowledge and network

Service Companies share the Power of PODS. Members gain the full benefit of:

- Access to the PODS Data Model allowing revenue/opportunities for work projects
- Access to PODS members and key decision makers in need of services
- Detailed member directory, including contact information and an expanded services listing searchable by operators
- Being part of a community that is the leading network for questions and shared knowledge within pipeline safety, GIS and data management
- Membership demonstrates experience and expertise within the pipeline market
- Learn first-hand who is working on what and what the competition is developing and innovating

Join today by visiting

www.PODS.org